

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506500

Luminaire Tested: **22PD-80-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PR1-L940
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

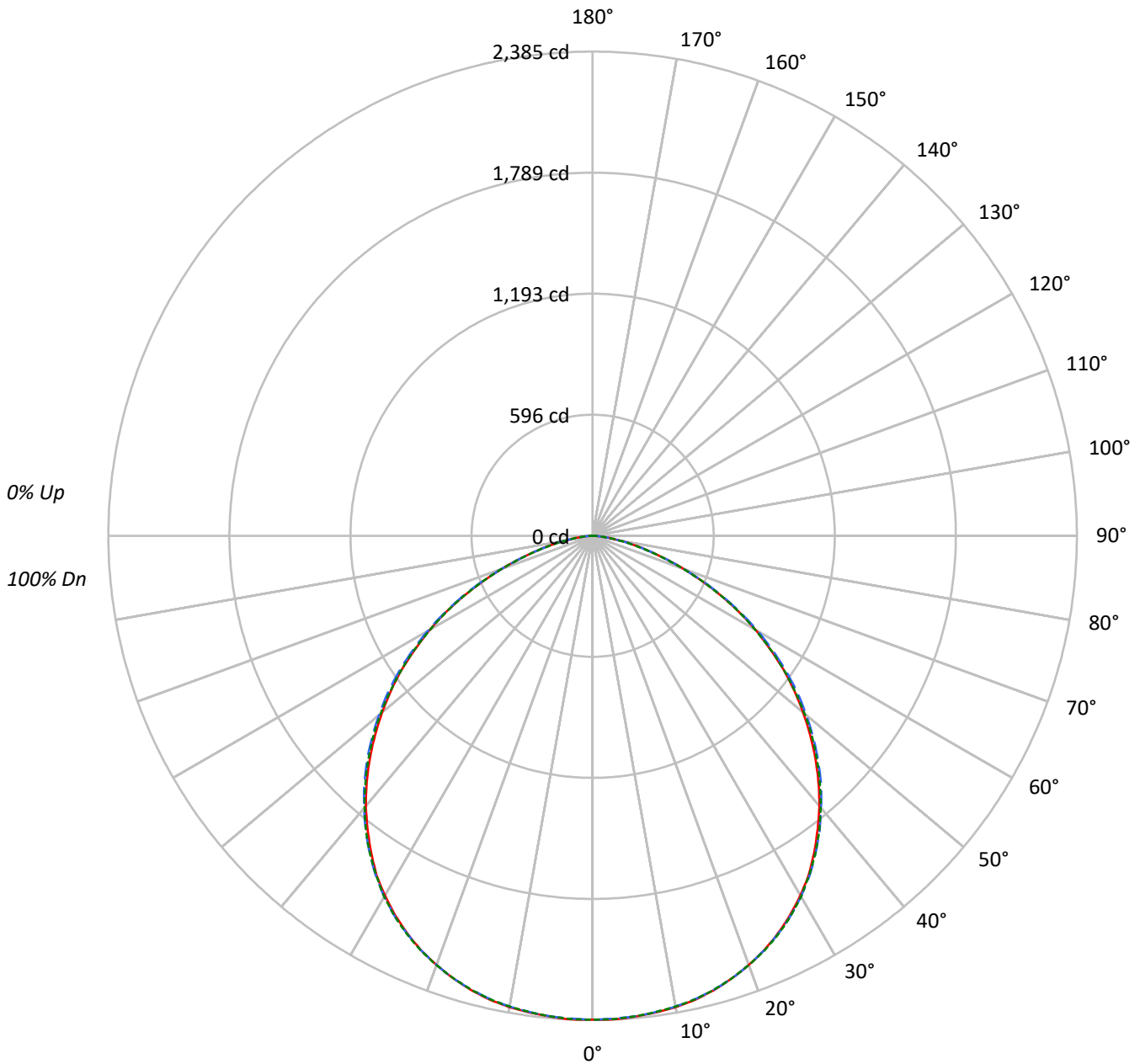
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6369.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P506500
CATALOG NUMBER: 22PD-80-PR1-L940

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85								
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72								
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61								
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53								
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46								
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40								
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36								
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32								
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29								
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6414	6414	6414
5°	6423	6419	6419
10°	6443	6434	6434
15°	6452	6445	6447
20°	6442	6440	6445
25°	6415	6422	6427
30°	6357	6377	6379
35°	6250	6284	6281
40°	6104	6146	6138
45°	5904	5979	5949
50°	5664	5751	5704
55°	5377	5462	5384
60°	4985	5053	4968
65°	4447	4493	4442
70°	3740	3740	3715
75°	2931	2931	2898
80°	2148	2123	2111
85°	1402	1402	1426



TEST NUMBER: P506500

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.1	3.6
10°-20°	653.2	10.3
20°-30°	996.3	15.6
30°-40°	1194.1	18.7
40°-50°	1205.9	18.9
50°-60°	1031.8	16.2
60°-70°	695.8	10.9
70°-80°	307.0	4.8
80°-90°	58.9	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1875.6	29.4
0°-40°	3069.7	48.2
0°-60°	5307.4	83.3
0°-90°	6369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2384	2384	2384	2384	2384	
5°	2378	2375	2376	2375	2376	226
15°	2316	2315	2313	2313	2314	654
25°	2160	2163	2163	2163	2164	995
35°	1902	1914	1913	1911	1912	1189
45°	1551	1563	1571	1569	1563	1196
55°	1146	1156	1164	1163	1148	1021
65°	698	704	706	704	698	690
75°	282	283	282	283	279	307
85°	45	45	45	46	46	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2383.5	2383.5	2383.5	2383.5	2383.5
2.5°	2385.1	2381.9	2381.1	2380.3	2383.5
5°	2377.9	2374.7	2376.3	2374.7	2376.3
7.5°	2369.2	2366.0	2366.8	2365.2	2366.8
10°	2358.0	2354.8	2354.8	2353.2	2354.8
12.5°	2340.5	2338.1	2337.3	2335.7	2338.1
15°	2315.8	2315.0	2313.4	2312.6	2314.2
17.5°	2285.5	2284.0	2285.5	2283.2	2284.7
20°	2249.7	2250.5	2248.9	2249.7	2250.5
22.5°	2209.1	2209.1	2209.9	2209.9	2211.5
25°	2160.5	2162.9	2162.9	2162.9	2164.5
27.5°	2106.4	2109.5	2111.9	2110.3	2111.9
30°	2045.8	2051.4	2052.2	2051.4	2053.0
32.5°	1980.5	1984.5	1986.9	1985.3	1983.7
35°	1902.5	1913.6	1912.8	1911.3	1912.1
37.5°	1820.5	1831.6	1835.6	1832.4	1833.2
40°	1737.7	1747.2	1749.6	1750.4	1747.2
42.5°	1646.1	1657.2	1666.0	1662.0	1657.2
45°	1551.3	1563.2	1571.2	1568.8	1563.2
47.5°	1453.4	1464.5	1475.6	1471.7	1466.1
50°	1353.0	1364.2	1373.7	1372.1	1362.6
52.5°	1250.3	1263.0	1271.8	1268.6	1255.9
55°	1146.0	1156.3	1164.3	1162.7	1147.5
57.5°	1032.9	1046.4	1050.4	1048.0	1036.9
60°	926.2	934.9	938.9	935.7	923.0
62.5°	812.3	819.5	822.6	821.8	813.1
65°	698.4	704.0	705.6	704.0	697.6
67.5°	581.3	589.3	590.1	590.1	583.7
70°	475.4	477.8	475.4	481.8	472.2
72.5°	372.7	374.3	372.7	372.7	368.7
75°	281.9	282.7	281.9	282.7	278.7
77.5°	203.9	205.5	202.3	204.7	200.7
80°	138.6	138.6	137.0	137.8	136.2
82.5°	86.0	87.6	85.2	85.2	84.4
85°	45.4	45.4	45.4	46.2	46.2
87.5°	15.9	15.9	16.7	16.7	15.9
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)